

A NON-PLANAR PRISM USED IN A SYSTEM FOR OBTAINING PRINT
AND OTHER HAND CHARACTERISTIC INFORMATION

ABSTRACT OF THE DISCLOSURE

A system and method are provided for scanning all or part of a hand print for one or more hands positioned on a non-planar portion of a prism. The non-planar portion can be symmetrical about an axis of symmetry of the prism. Typically, a palm pocket, writer's palm, or the like, is hard to capture on a flat surface. In contrast, the non-planar portion of the prism according to embodiments of the present invention provides a form so that the palm pocket, writer's palm, or the like, can be captured. Hand and/or finger characteristic data can also be captured, for example hand geometry (e.g., finger lengths and spacing between fingers). The prism can also include a positioning device (e.g., a hand-locating feature) than can be used to position a hand based on a point between a thumb and an index finger, between any other two fingers, a full hand on one side of the alignment device, both hands with each hand on either side of the alignment device, or to capture writer's palm and/or writer's palm and fingertip images.

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